

# BEST AVAILABLE COPY

Form PTO 948 (Rev. 8-98)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No.

09/457,771

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12-9-99 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

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|---|--|
| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:<br/>Black ink. Color drawings are not acceptable until petition is granted. Fig(s) _____<br/>Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84 (b)<br/>____ 1 full-tone set is required. Fig(s) _____<br/>____ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____<br/>____ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c)<br/>____ Paper not flexible, strong, white, and durable. Fig(s) _____<br/>____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____<br/>____ Mylar, velum paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:<br/>____ 21.0 cm by 29.7 cm (DIN size A4)<br/>____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)<br/>____ All drawing sheets not the same size. Fig(s) _____<br/>____ Sheet(s) _____<br/>____ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: A4 Size<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: 8 1/2 x 11<br/>Margins not acceptable. Fig(s) <u>1, 3, 4</u><br/>____ Top (T) _____ Left (L) _____<br/>____ Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h)<br/>REMINDER: Specification may require revision to correspond to drawing changes.<br/>Partial views. 37 CFR 1.84(h)(2)<br/>____ Brackets needed to show figure as one entity. Fig(s) _____<br/>____ Views not labeled separately or properly. Fig(s) _____<br/>____ Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)<br/>____ Hatching not indicated for sectional portions of an object. Fig(s) _____<br/>____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p> | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)<br/>____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)<br/>____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(i)<br/>____ Lines, numbers &amp; letters not uniformly thick and well-defined, clean, durable, and black (poor line quality). Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)<br/>____ Solid black areas pale. Fig(s) _____<br/>____ Solid black shading not permitted. Fig(s) _____<br/>____ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)<br/>____ Numbers and reference characters not plain and legible. Fig(s) _____<br/>____ Figure legends are poor. Fig(s) _____<br/>____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1). Fig(s) _____<br/>____ English alphabet not used. 37 CFR 1.84(p)(2). Fig(s) _____<br/>____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)<br/>____ Lead lines cross each other. Fig(s) _____<br/>____ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)<br/>____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)<br/>____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)<br/>____ Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152<br/>____ Surface shading shown not appropriate. Fig(s) _____<br/>____ Solid black shading not used for color contrast. Fig(s) _____</p> |
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COMMENTS

REVIEWER

DATE

4-28-00

TELEPHONE NO.

ATTACHMENT TO PAPER NO.

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## NOTICE OF DRAFTSPERSON'S INFORMATION ON HOW TO EFFECT CHANGES

### 1. Correction of Informalities--37 CFR 1.85

The drawing(s) filed (insert date) \_\_\_\_\_  
 A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.132.  
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.132 for the reasons indicated below. The Examiner will require  
 File new drawings with the changes incorporated therein. The application number or the title of the invention,  
 inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office

is unable to match the drawings to the proper application, should be placed on the back of each sheet of  
 drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of  
 the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR  
 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing  
 Processing Branch.

### 2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory  
 period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the  
 Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month  
 period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore,  
 applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the  
 Application.

### 3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved  
 by the examiner before the application will be allowed. No changes will be permitted to be made, other than  
 correction of informalities, unless the examiner has approved the proposed changes:

13. LEAD LINES: 37 CFR 1.84(d)  
 Lead lines cross each other. Fig(s) \_\_\_\_\_  
 Lead lines missing. Fig(s) \_\_\_\_\_
14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(f)  
 Sheets not numbered consecutively, and in Arabic numerals.  
 Missing sheet number. Fig(s) \_\_\_\_\_
15. NUMBERING OF VIEWS: 37 CFR 1.84(h)  
 Views not numbered consecutively, and in Arabic numerals.  
 Beginning with number 1. Fig(s) \_\_\_\_\_
16. CORRECTIONS: 37 CFR 1.84(w)  
 Corrections not made from prior PTO-948  
 dated \_\_\_\_\_
17. DESIGN DRAWINGS: 37 CFR 1.152  
 Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
 Solid black shading not used for color contrast. Fig(s) \_\_\_\_\_

1. PHOTOGRAPHY: 37 CFR 1.84(b)  
 1 full-tone set is required. Fig(s) \_\_\_\_\_  
 Photographs not properly mounted (must use polyester board or  
 photographic double-weight paper). Fig(s) \_\_\_\_\_  
 Poor quality (half-tone). Fig(s) \_\_\_\_\_
2. TYPE OF PAPER: 37 CFR 1.84(c)  
 Poor quality (half-tone). Fig(s) \_\_\_\_\_
3. SIZE OF PAPER: 37 CFR 1.84(f): Acceptable sizes:  
 21.0 cm by 29.7 cm (8 1/2" x 11")  
 21.6 cm by 27.9 cm (8 5/8" x 11")  
 21.6 cm by 27.9 cm (8 5/8" x 11")  
 21.6 cm by 27.9 cm (8 5/8" x 11")  
 Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_
4. MARGINS: 37 CFR 1.84(g): Acceptable margins:  
 Top 2.5 cm 1 in 5/8" Right 1.2 cm Bottom 1.0 cm  
 Left 2.5 cm 1 in 5/8"  
 SIZE: A4 Size  
 SIZE: 8 1/2" x 11"  
 Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_
5. VIEWS: 37 CFR 1.84(h)  
 REMINDER: Specification may require revision to  
 correspond to drawing changes.  
 Partial views: 37 CFR 1.84(i)(3)  
 Brackets needed to show figure as one entity.  
 Fig(s) \_\_\_\_\_  
 Views not labeled separately or properly.  
 Fig(s) \_\_\_\_\_  
 Enlarged view not labeled separately or properly.  
 Fig(s) \_\_\_\_\_
6. SECTIONAL VIEWS: 37 CFR 1.84(h)(3)  
 Hatching not indicated for sectional portions of an object.  
 Fig(s) \_\_\_\_\_  
 Sectional designation should be noted with Arabic or  
 Roman numbers. Fig(s) \_\_\_\_\_

COMMENTS

DATE

REVIEWER

ATTACHMENT TO PAPER NO. \_\_\_\_\_